



1996 TOXICS RELEASE INVENTORY

MICHIGAN

State/TRI Data

Population	9,730,925
Total Facilities	900
Total Forms	3,211
Form As	222

National Rank for	
On- and Off-site Releases	9
On-site Releases	12
Transfers into State	
National Rank	5
Pounds	107,104,965
Transfers out of State	
National Rank	4
Pounds	96,946,781



Reported Releases and Waste Management Activities (pounds)

On- and Off-site Releases	90,158,602
On-site Releases	58,479,056
Air Emissions	46,202,166
Surface Water Discharges	1,989,436
Underground Injection	
Class I Wells	6,617,820
Class II-V Wells	14,683
Releases to Land	
RCRA Subtitle C Landfills	64,693
Other On-site Land Releases	3,590,258
Transfers Off-site to Disposal	31,679,546
On-site Waste Management	486,764,913
Recycling	304,344,692
Energy Recovery	87,992,757
Treatment	94,427,464
Off-site Transfers for Further Waste Management	207,971,953
Recycling	100,909,367
Energy Recovery	69,413,222
Treatment	23,506,076
Publicly Owned Treatment Works (POTWs)	14,143,038
Other Off-site Transfers	250

For More Information. . .

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To obtain TRI data use assistance,
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(202) 260-1531 Fax (202) 401-2347



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Top Ten Chemicals for On- and Off-site Releases

CAS Number	Chemical	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection		On-site Releases to Land		Total On-site Releases Pounds	Total Transfers Off-site to Disposal Pounds	On- and Off-site Releases Pounds
				Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
—	Zinc compounds	347,227	8,578	46,000	0	20,860	24,760	447,425	25,247,480	25,694,905
67-56-1	Methanol	4,568,633	219,159	5,000,000	0	0	314,969	10,102,761	3,688	10,106,449
1330-20-7	Xylene (mixed isomers)	8,195,255	286	0	0	0	0	8,195,541	8,100	8,203,641
108-88-3	Toluene	6,476,817	379	3,650	0	0	450	6,481,296	36,384	6,517,680
7647-01-0	Hydrochloric acid	5,101,930	0	5	0	0	0	5,101,935	0	5,101,935
7439-96-5	Manganese	99,762	4,980	0	0	5	1,205,419	1,310,166	3,203,183	4,513,349
—	Glycol ethers	2,934,261	417	0	0	0	0	2,934,678	4,566	2,939,244
78-93-3	Methyl ethyl ketone	2,229,130	0	750	0	0	9,908	2,239,788	5,215	2,245,003
7664-41-7	Ammonia	1,855,702	136,431	24,896	0	225	15,250	2,032,504	29,855	2,062,359
100-42-5	Styrene	1,978,077	749	0	0	12,798	10	1,991,634	5,965	1,997,599

Top Ten Facilities for On- and Off-site Releases

Facility / City, County	Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection		On-site Releases to Land		Total On-site Releases Pounds	Total Transfers Off-site to Disposal Pounds	On- and Off-site Releases Pounds
			Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
National Steel Corp., Ecorse, Wayne	329,953	30,667	0	0	0	0	360,620	13,889,912	14,250,532
Rouge Steel Co., Dearborn, Wayne	51,755	5,800	0	0	0	0	57,555	13,086,300	13,143,855
Pharmacia & Upjohn Co., Portage, Kalamazoo	326,175	149,505	4,662,100	0	0	0	5,137,780	20,238	5,158,018
American Tape Co., Marysville, St Clair	2,819,079	0	0	0	0	0	2,819,079	250	2,819,329
Lafarge Corp., Alpena, Alpena	2,724,122	0	0	0	0	0	2,724,122	0	2,724,122
General Motors Corp., Saginaw, Saginaw	201,531	3	0	0	0	2,223,279	2,424,813	3,613	2,428,426
Warner-Lambert Co., Holland, Ottawa	258,966	0	1,930,525	0	0	0	2,189,491	12,810	2,202,301
General Motors Truck Group, Pontiac, Oakland	1,752,722	0	0	0	0	0	1,752,722	5,960	1,758,682
Fibermark Inc., Rochester, Oakland	1,730,189	0	0	0	0	0	1,730,189	0	1,730,189
Dow Chemical USA, Midland, Midland	1,455,193	13,314	0	0	54,907	0	1,523,414	0	1,523,414

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One facility, National Steel Corp., Ecorse, Wayne, reported 1,100,000 pounds of surface water discharges of ethylene glycol in error. The correct amount is 28,000 pounds. This has been corrected in the Top Ten Facilities table.